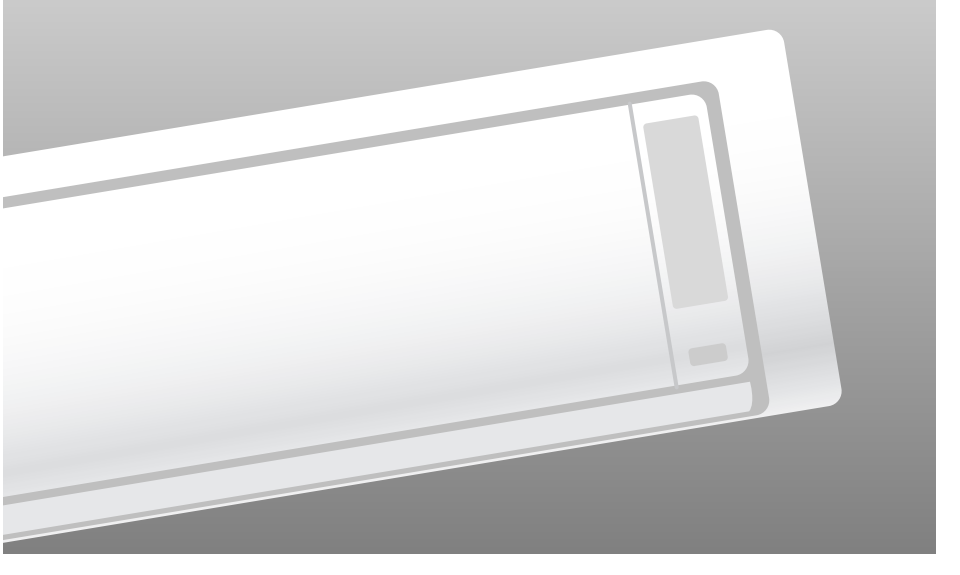
SAMSUNG

USER'S MANUAL

AS18HM Series
AS24HM Series

Split-type Air Conditioner
(Cooling and Heating)



ⒺⒶ DB98-25305A(1)

Register your product at www.samsung.com/global/register

Safety Precautions

You should take the following safety precautions when using your air conditioner.

WARNING

- If you don't follow the safety precautions, you may get the risk of an electric shock, injury or death.
- The manufacturer or qualified service personnel must install this air conditioner.
- Turn off the electric power before repairing, installing or cleaning.

DURING OPERATION

- Do not repair the air conditioner at your discretion. It is recommended to contact a service center directly.
- Never spill any kind of liquid on the air conditioner. If this happens, turn off the air conditioner and contact an authorized service center.
- Do not insert anything between the airflow blades to prevent damage of the inner fan and consequent injury. Keep children away from the air conditioner.
- Do not place any obstacles in front of the air conditioner.
- Do not spray any kind of liquid into the indoor unit. If this happens, turn off the air conditioner and contact a service center.
- Make sure that the air conditioner is well ventilated at all times: Do not place a cloth or other materials over it.
- Remove the batteries if you don't use the remote control for a long time. (If applicable)
- Use the remote control within 7m from the indoor unit. (If applicable)

DISPOSING OF THE UNIT

- Before throwing out the air conditioner, remove the batteries from the remote control.
- When you dispose of the air conditioner, consult your dealer. If pipes are removed incorrectly, refrigerant may blow out and cause air pollution. When it contacts with your skin, it can cause skin injury.
- The package of the air conditioner should be recycled or disposed of properly for environmental reasons.

OTHERS

- Never store or load the air conditioner upside down or sideways to prevent the damage to the compressor.
- Young children or infirm persons should be always supervised when they use the air conditioner.
- Max current is measured according to IEC standard for safety.
- Current is measured according to ISO standard for energy efficiency.

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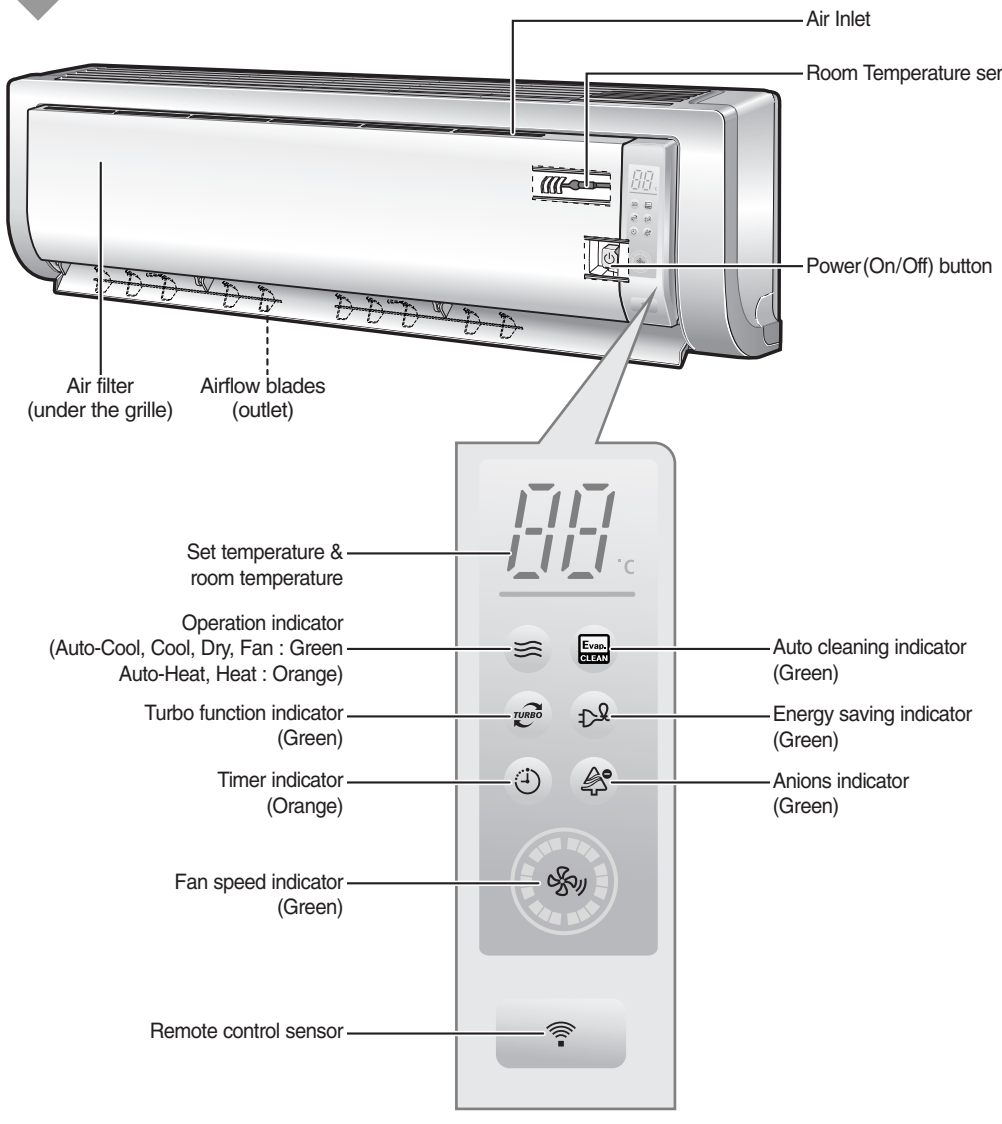
Name of Each Part

The design and shape can be changed according to the model.

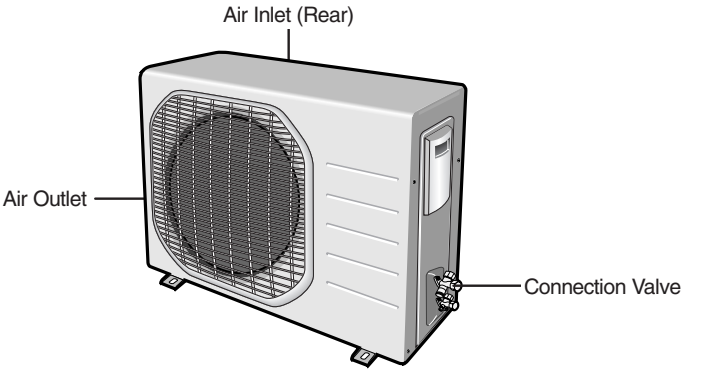
Indoor Unit



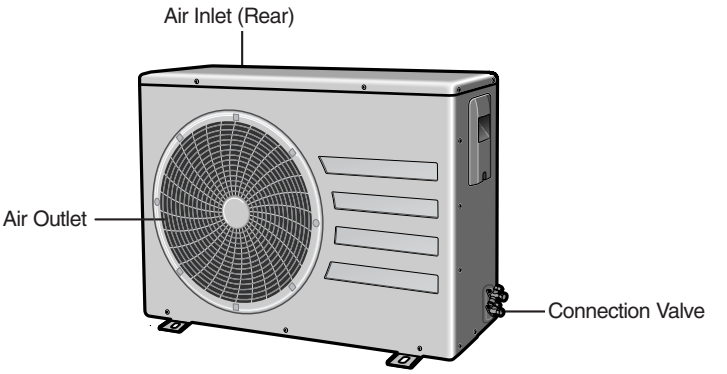
Note

- In the Auto mode, 2 fan indicators increase and decrease continuously and turn round.
- In the modes except the Auto mode, the fan speed indicator increases and decreases continuously and turn round each time you press the button. If you set the Turbo function, the fan speed indicator turns round with the maximum setting and speed.
- If you want to turn on/off the Display during operation, press the Digital / On/Off button on the remote control.
- The room temperature sensor senses air temperature around the sensor, and shows the temperature on the display.

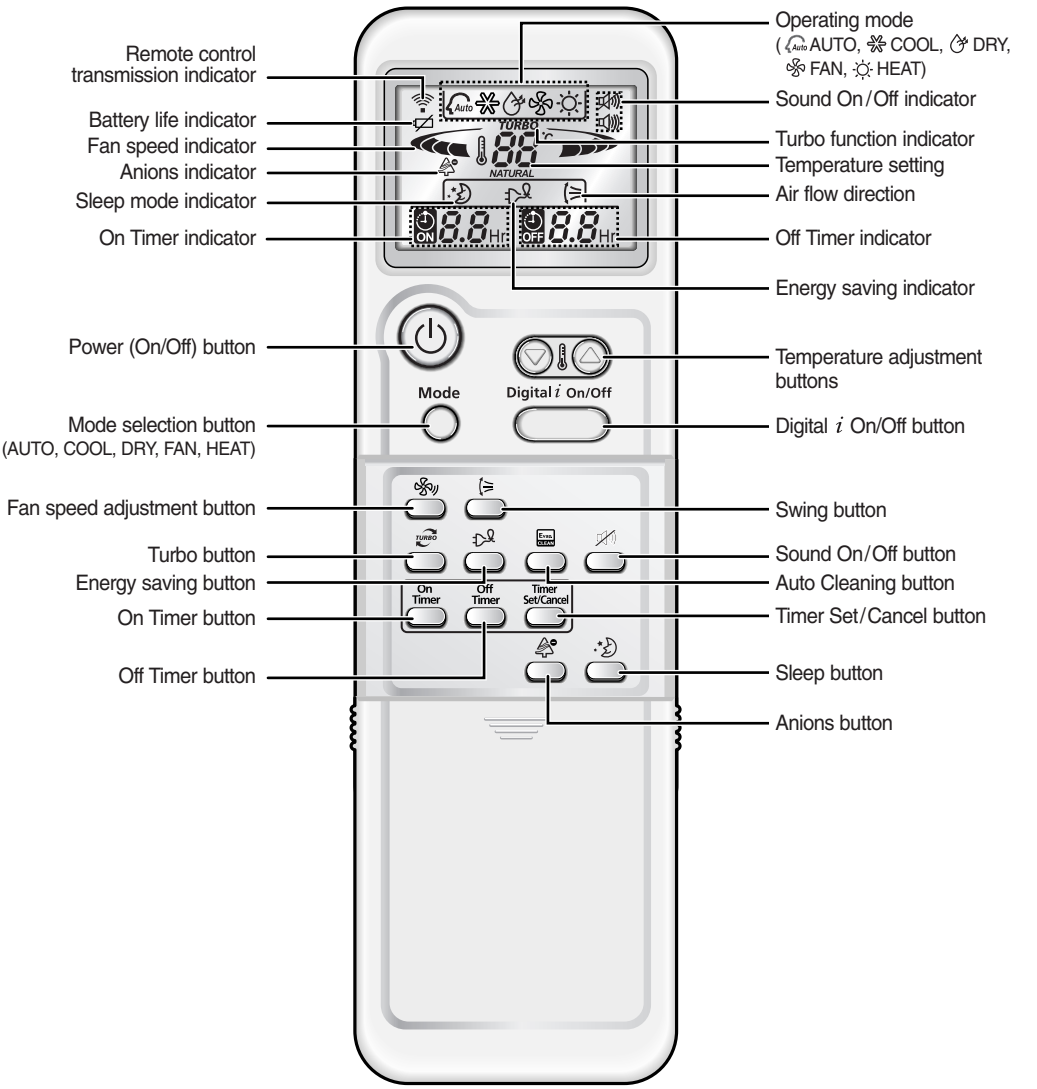
Outdoor Unit AS18HM Series



Outdoor Unit AS24HM Series



Remote Control - Buttons and Display



Inserting the Remote Control Batteries

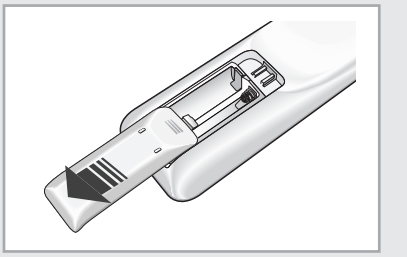
You must insert or replace the remote control batteries when:

- ***You purchase the air conditioner***
- ***The remote control does not work correctly***

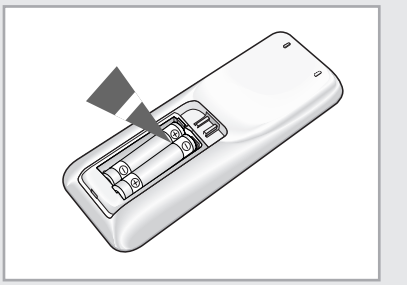
Note

- Use two AAA, LR03 1.5V batteries.
- Do not use old batteries or different kinds of batteries together.
- Batteries may be completely discharged after 12 months, even if they have not actually been used.

1 Remove the battery cover in the rear of the remote control by pushing it with your thumb.



2 Insert two batteries, respecting the polarities as indicated by the + and - symbols.



3 Close the cover by sliding it back in its place.

Getting Start

The User's Manual provides you with valuable information about your air conditioner. Please read this manual carefully before using the air conditioner. It will help you take full advantage of the unit's features.

You have already seen the basic description of the unit on pages from 4 to 6. Starting with the next page, you will find a series of step-by-step procedures for each function available.

The illustrations in the step-by-step procedures use three different symbols:

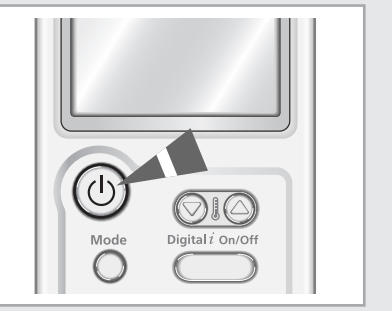
PRESS	**PUSH**	**HOLD DOWN**

Selecting the Auto Mode

You can select the Auto mode if you want to cool or heat your room automatically. You can adjust the temperature in this mode.

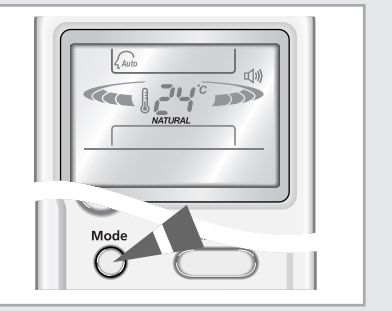
1 If necessary, press the (On/Off) button.

Result:
- The operation indicator on the indoor unit lights up.
- The air conditioner starts up in the mode you selected last.
- The indoor unit beeps.



2 Press the Mode button on the remote control until Auto is displayed.

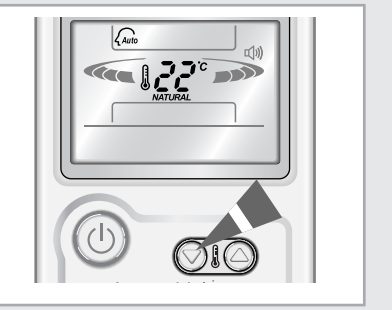
Result:
- The indoor unit beeps each time you press the Mode button.
- The air conditioner runs in the Auto mode.
- The Auto mode cools or heats the room depending on the set temperature.
- The air conditioner changes the Cool or Heat mode automatically depending on the current temperature during operation.



Note You can change modes at any time.

3 Press the button to adjust the temperature until the required temperature is displayed.
You can set the temperature between 16°C and 30°C.

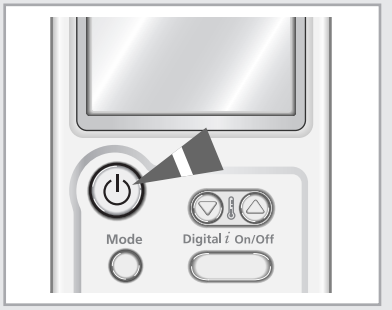
Result:
- Each time you press the button:
  - The temperature is adjusted by 1°C
  - The indoor unit beeps
- The fan speed is adjusted automatically.
- 2 fan speed indicators increase and decrease continuously and turn round.



Control Panel

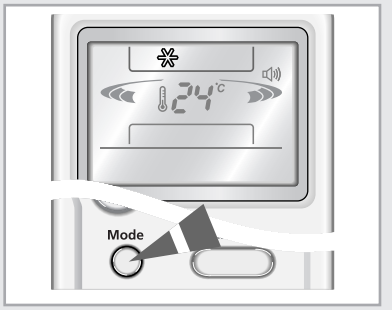
Selecting the Cool Mode

You can select the Cool mode if you want to cool your room.
You can adjust the temperature and the fan speed when cooling.



1 If necessary, press the (On/Off) button.

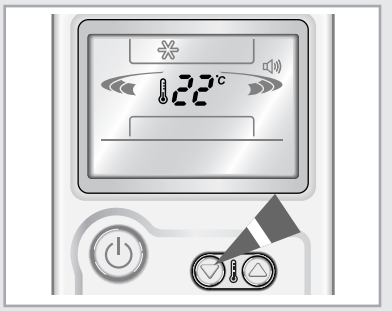
Result:
- The operation indicator on the indoor unit lights up.
- The air conditioner starts up in the mode you selected last.
- The indoor unit beeps.



2 Press the Mode button on the remote control until is displayed.

Result:
- The indoor unit beeps each time you press the Mode button.
- The air conditioner runs in the Cool mode.

Note You can change modes at any time.



3 Press the button to adjust the temperature until the required temperature is displayed.
You can set the temperature between 16°C and 30°C.

Result:
- Each time you press the button:
  - The temperature is adjusted by 1°C
  - The indoor unit beeps
- If the room temperature is higher than the selected temperature, the air conditioner starts cooling.
- If the room temperature reaches the set temperature, the air conditioner stops cooling, but the fan operates consistently.

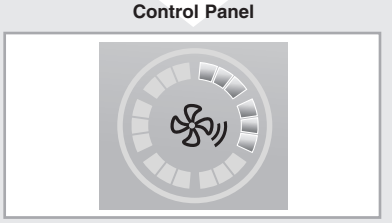
4 Press the button to select the fan speed until the required setting is displayed.

- Automatic (rotated : → → → →)
- Low
- Medium
- High

Result:
- Each time you press the button, the indoor unit beeps.
- The fan speed indicator increases and decreases continuously and turns round each time you press the button.

Note The fan speed indicator of the indoor unit varies according to the temperature in the Automatic fan speed.

Control Panel



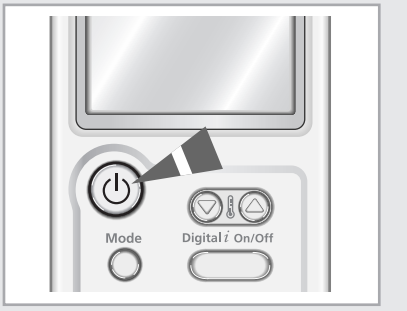
5 To control the airflow direction, refer to page 19.

Selecting the Heat Mode

You can select the Heat mode if you want to heat your room.
You can adjust the temperature and the fan speed when heating.

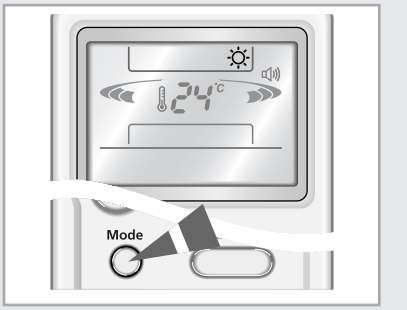
1 If necessary, press the (On/Off) button.

Result:
- The operation indicator on the indoor unit lights up.
- The air conditioner starts up in the mode you selected last.
- The indoor unit beeps.



2 Press the Mode button on the remote control until ☼ is displayed.

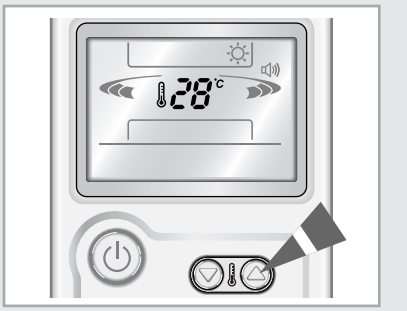
Result:
- The indoor unit beeps each time you press the Mode button.
- The air conditioner runs in the Heat mode.



Note You can change modes at any time.

3 Press the button to adjust the temperature until the required tem perature is displayed.
You can set the temperature between 16°C and 30°C.

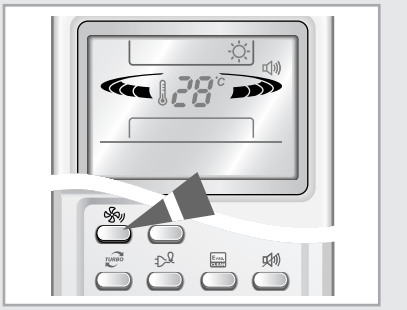
Result:
- Each time you press the button:
  - The temperature is adjusted by 1°C
  - The indoor unit beeps
- If the room temperature reaches 5°C higher than the set temperature, the air conditioner stops heating, but the fan operates consistently.
- If the room temperature reaches 3°C lower than the set temperature, the air conditioner starts heating again.



4 Press the button to select the fan speed until the required setting is displayed.

- Automatic (rotated : → → → →)
- Low
- Medium
- High

Result:
- Each time you press the button, the indoor unit beeps.
- The fan speed indicator increases and decreases continuously and turns round each time you press the button.
- For the first 3~5 minutes, the fan may not operate to prevent cool air from flowing out of the indoor unit. It helps to warm the air in your room sufficiently.



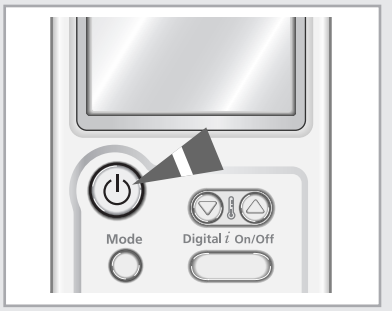
Control Panel

Note The fan speed indicator of the indoor unit varies according to the temperature in the Automatic fan speed.

5 To control the airflow direction, refer to page 19.

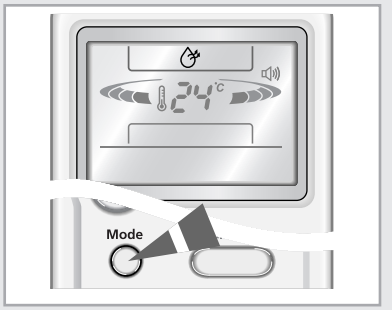
Selecting the Dry Mode

You can select the Dry mode if you want to dehumidify your room. You can adjust the temperature in this mode.



1 If necessary, press the (On/Off) button.

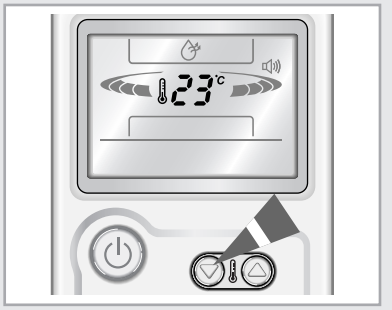
Result:
- The operation indicator on the indoor unit lights up.
- The air conditioner starts up in the mode you selected last.
- The indoor unit beeps.



2 Press the Mode button on the remote control until is displayed.

Result:
- The indoor unit beeps each time you press the Mode button.
- The air conditioner runs in the Dry mode.

Note You can change modes at any time.



3 Press the button to adjust the temperature until the required temperature is displayed.
You can set the temperature between 18°C and 30°C.

Result:
- Each time you press the button:
  - The temperature is adjusted by 1°C
  - The indoor unit beeps
- The air conditioner starts dehumidifying and the fan speed is adjusted automatically.

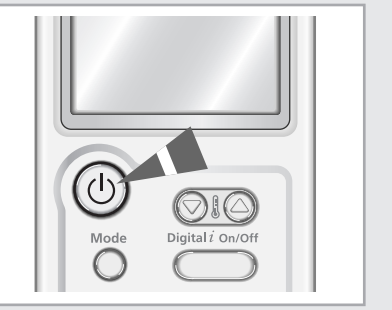
4 To control the airflow direction, refer to page 19.

Selecting the Fan Mode

You can select the Fan mode if you want to ventilate your room. It helps to refresh the air in your room. You can adjust the fan speed in this mode.

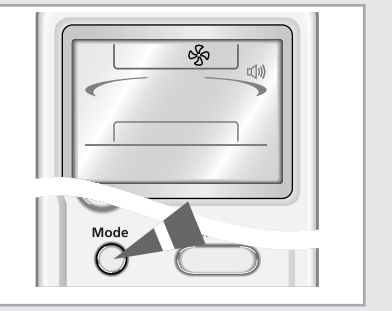
1 If necessary, press the (On/Off) button.

Result:
- The operation indicator on the indoor unit lights up.
- The air conditioner starts up in the mode you selected last.
- The indoor unit beeps.



2 Press the Mode button on the remote control until is displayed.

Result:
- The indoor unit beeps each time you press the Mode button.
- The air conditioner runs in the Fan mode.
- The temperature is set automatically.

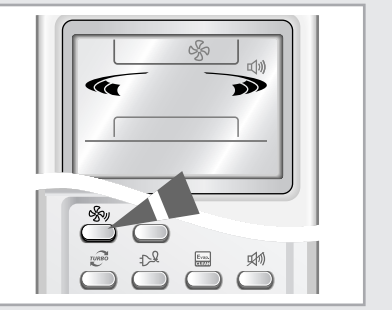


Note You can change modes at any time.

3 Press the button to select the fan speed until the required setting is displayed.

Low
Medium
High

Result:
- Each time you press the button, the indoor unit beeps.
- The fan speed indicator increases and decreases continuously and turns round each time you press the button.

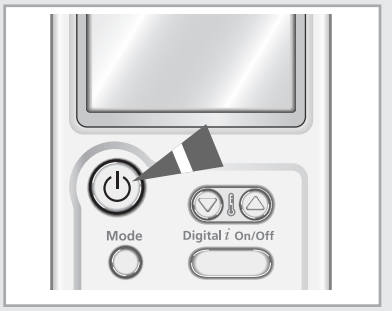


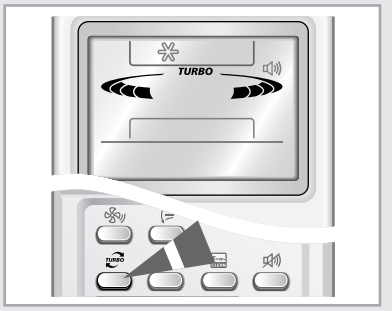
Control Panel

4 To control the airflow direction, refer to page 19.

Selecting the Turbo Function

You can select the Turbo Function if you want to cool or heat your room in the fastest way. After the 30-minute operation with the maximum setting, it returns to the previous setting.





Control Panel

1 If necessary, press the (On/Off) button.

Result:
- The operation indicator on the indoor unit lights up.
- The air conditioner starts up in the mode you selected last.
- The indoor unit beeps.

2 Press the button.

Result:
- The temperature and fan settings are adjusted automatically.
- The fan speed indicator turns round with the maximum setting and speed.
- The air conditioner cools or heats the room as quickly as possible.
- After 30 minutes, the air conditioner is reset automatically to the previous setting.
- You can select the Turbo function in the Auto, Cool and Heat mode. If you select this function in the Dry or Fan mode, the mode changes to the Auto mode.

3 Press the button again to stop the Turbo Function before the end of the 30-minute period.

Result: The air conditioner is reset automatically to the previous setting.

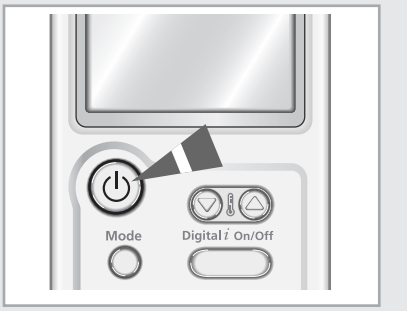
4 To control the airflow direction, refer to page 19.

Selecting the Energy Saving Function

You can select the Energy Saving Function to save energy when cooling. The temperature range decreases in order to perform this function.

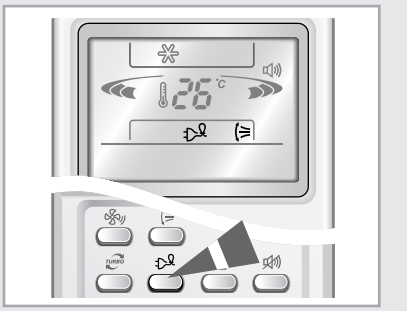
1 If necessary, press the (On/Off) button.

Result:
- The operation indicator on the indoor unit lights up.
- The air conditioner starts up in the mode you selected last.
- The indoor unit beeps.



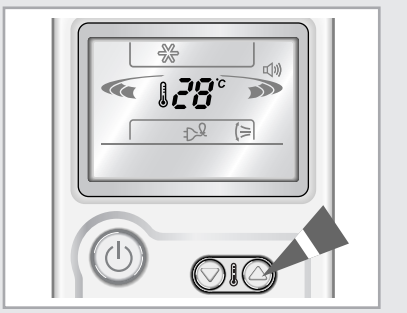
2 Press the button.

Result:
- The indoor unit beeps.
- The air conditioner runs in the Energy saving function.
- The outer airflow blade moves up and down.
- To stop the Energy saving function, press the again.



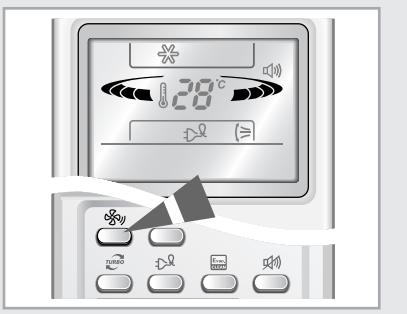
Note You can select the Energy saving function only in the Cool mode.

3 Press the button to adjust the temperature until the required temperature is displayed. You can set the temperature between 26°C and 30°C.



Note If you want to adjust temperature under 26°C, cancel the Energy saving function before adjusting the temperature.

4 Press the button to select the fan speed until the required setting is displayed.

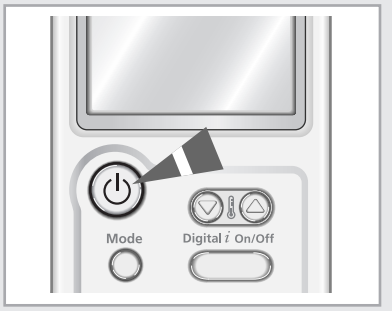


Note The fan speed indicator increases and decreases continuously and turns round each time you press the button.

5 To control the airflow direction, refer to page 19.

Selecting the Auto Cleaning Function

You can select the Auto Cleaning Function if you want to sterilize the air conditioner or remove mold. Even when the air conditioner is turned off, you can set this function.



Remote Control

Control Panel

1 If necessary, press the (On/Off) button.

Result:
- The operation indicator on the indoor unit lights up.
- The air conditioner starts up in the mode you selected last.
- The indoor unit beeps.

2 Press the button.

Result:
- The Evap. CLEAN indicator on the indoor unit lights up and the Auto Cleaning function is set.
- When you turn the air conditioner off, it operates the Auto Cleaning function for 30 minutes. After 30 minutes, the air conditioner turns off.
- If you press the button when the air conditioner is turned off, the air conditioner operates the Auto Cleaning Function for 30 minutes.

When the air conditioner is turned	Mode	Operating time
On	Auto, Cool, Dry	30 minutes
	Heat, Fan	15 minutes
Off		30 minutes

Note The Auto Cleaning indicator is displayed only on the indoor unit.

3 Press the button again to stop the Auto cleaning function before the end of the 30-minute period.

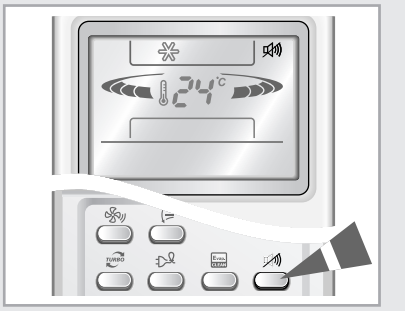
Selecting the Sound On/Off Function

You can turn on or off the sound of the air conditioner with the remote control.

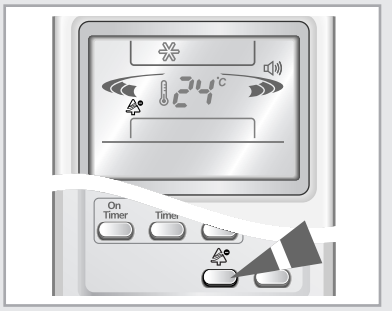
1 Press the button to turn off the sound.

Note Each time you press the button, Sound On/Off function is selected repeatedly.

- On
- Off



Selecting the Anions Function



The air conditioner can generate anions with an ionizer in the indoor unit. Since it is an additional function, you can select it in any mode, even when the air conditioner is turned off.

1 Press the button.

Result: ◆ The air conditioner generates anions.

◆ The indoor unit beeps.

Note If you press the button when the air conditioner is off, the air conditioner turns on automatically and generates anions in the Fan mode with Low fan speed.

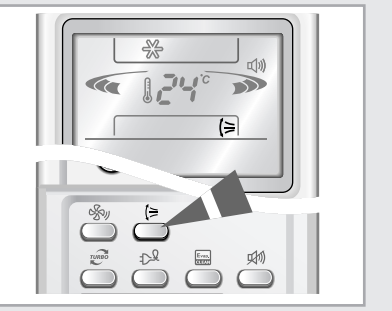
2 Press the button again to stop the Anions function.

Result: The air conditioner is reset automatically to the previous mode, temperature and fan settings.

3 To control the airflow direction, refer to page 19.

Adjusting the Airflow Direction Vertically

You can adjust the airflow direction vertically. The outer airflow blade moves up and down to increase the efficiency of the cooling or heating operation.



1 Press the button until the required direction is set.
Result: The outer blade is adjusted vertically.

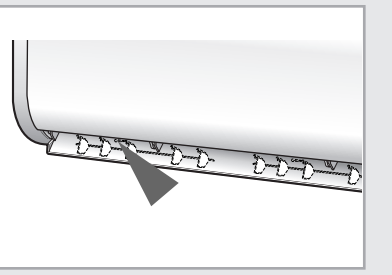
2 Press the button again to move the blade up and down automatically during operation.

3 Press the button again to stop the blade moving up and down.

Note	**If you turn the air conditioner...**	**Then the blade...**
	Off	is closed completely.
	On	set to the default position.

Adjusting the Airflow Direction Horizontally

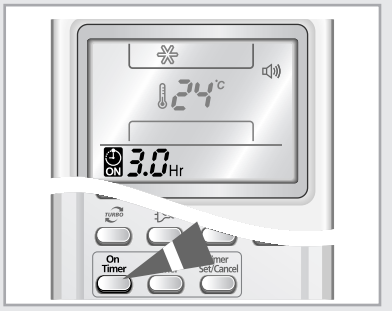
You can adjust the airflow direction horizontally manually. The inner blades with small fins moves the air in the required direction.



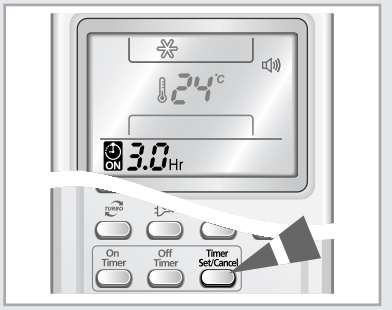
1 Adjust the inner blades by moving them to left or right.

Setting the On Timer

You can set the On Timer to turn on the air conditioner automatically at the appointed time. You can set the time from 30 minutes to 24 hours.

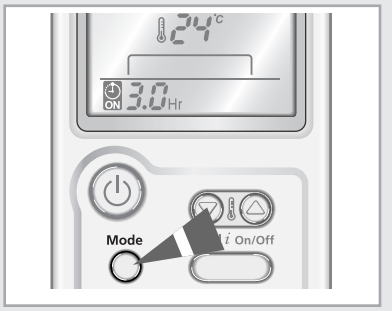


1 Press the On Timer button until the required time is displayed to set the On Timer. You can set the time between 0.5 hour and 24 hours.



2 Press the Timer Set/Cancel button to complete the setting.

Result:
- ◆ The remaining time is displayed.
- ◆ The timer indicator stops blinking.
- ◆ The selected mode and the temperature on the display disappear after 10 seconds.
- ◆ The air conditioner turns on automatically at the appointed time and the On Timer setting disappears.



3 Press the Mode button until the desired mode is displayed at the top of the remote control to select the mode in advance.

Result: The air conditioner operates in the selected mode when it is turned on.

To Cancel the On Timer

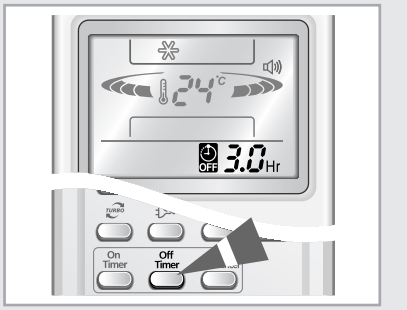
Press the Timer Set/Cancel button to cancel the On Timer.

Note If you press the Timer Set/Cancel button, both the On Timer and the Off Timer are canceled.

Setting the Off Timer

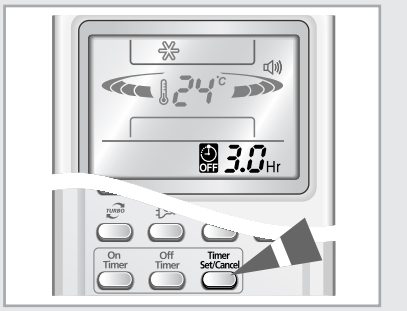
You can set the Off Timer to turn off the air conditioner automatically at the appointed time. You can set the time from 30 minutes to 24 hours.

1 Press the Off Timer button until the required time is displayed to set the Off Timer. You can set the time between 0.5 hour and 24 hours.



2 Press the Timer Set/Cancel button to complete the setting.

Result:
- ◆ The remaining time is displayed.
- ◆ The timer indicator stops blinking.
- ◆ The air conditioner turns off automatically at the appointed time and the Off Timer setting disappears.



Example **If you would like to turn the air conditioner on after 2 hours and to operate it for 2 hours:**

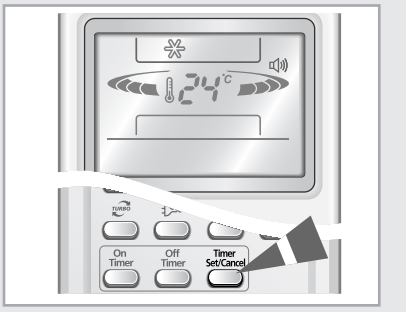
1. Press the On Timer button until '2.0 Hr' is displayed.
2. Press the Timer Set/Cancel button.
3. Press the Off Timer button until '4.0 Hr' is displayed.
4. Press the Timer Set/Cancel button.

Note You can check or change the mode and/or the temperature by pressing the Mode button or the ▽/△ button after setting the Off Timer.

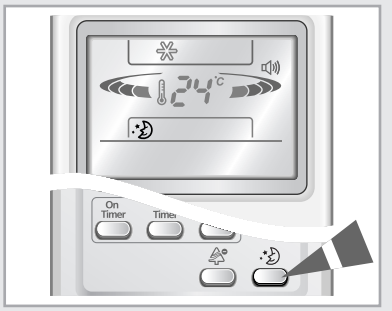
To Cancel the Off Timer

Press the Timer Set/Cancel button to cancel the Off Timer.

Note If you press the Timer Set/Cancel button, both the On Timer and the Off Timer are canceled.



Setting the Sleep Timer



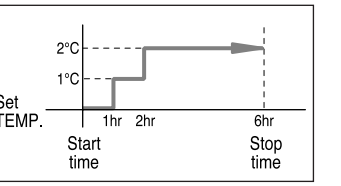
You can set the Sleep Timer to turn off the air conditioner automatically while you are sleeping. The air conditioner stops operating 6 hours after you set the Sleep Timer.

1 Press the button.

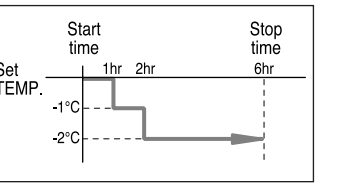
Result:
- ◆ The indoor unit beeps.
- ◆ The air conditioner will be controlled as indicated in the illustrations below.

Note You can set Sleep Timer only in the Cool or Heat mode.

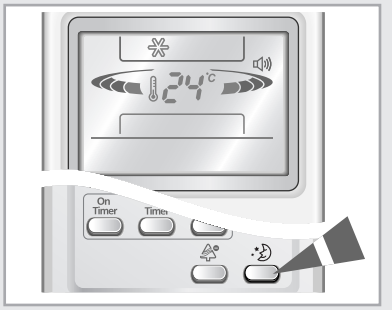
Cooling — The set temperature is increased by 1°C every hour. After the increase of 2°C, the temperature is maintained for 4 hours.



Heating — The set temperature is decreased by 1°C every hour. After the decrease of 2°C, the temperature is maintained for 4 hours.



To Cancel the Sleep Timer



Press the button to cancel the Sleep Timer.

Result:
- ◆ The indoor unit beeps.
- ◆ The indicator is no longer displayed.
- ◆ The air conditioner operates normally.

Operating Recommendations

When you use your air conditioner, it is recommended to read the following:

Topic	Recommendation
Heating capacity	The heat pump inside the air conditioner absorbs heat from outside air and brings it indoors. If the temperature of the outside air drops, the air conditioner heats less. If the room is not warm enough, use an additional heating appliance.
Warm air circulation	The air conditioner circulates warm air to heat your room. It will take some time to warm the air in your room entirely after the air conditioner turns on. Therefore, turn the air conditioner on in advance.
Frost	When you select the Heat mode, frost may form in the outdoor unit due to the low temperature and high humidity. If this happens: ◆ The heating operation is stopped. ◆ The air conditioner defrosts automatically for about 7 minutes. After about 7 minutes, the air conditioner starts operating again normally.
High indoor and outdoor temperatures	If both the indoor and outdoor temperatures are high when you select the Heat mode, the fan and the compressor of the outdoor unit may stop at times. This is normal; wait until the air conditioner turns on again.
Power failure	If power failure occurs when the air conditioner is operating, the air conditioner turns off. When the power returns, the air conditioner starts up again automatically.
Protection mechanism	When the air conditioner is started immediately after being plugged in or stopped, the normal operation starts up after 3 minutes for the reason of protection.

Temperature and Humidity Ranges

If you check the following tables, you can use your air conditioner more efficiently.

If the air conditioner is used at...	Then...
High temperatures	The air conditioner may stop operating for the reason of protection.
Low temperatures	Water may leak and some malfunction may occur if the heat exchanger freezes.
High humidity levels	Water may condense and drip from the surface of the indoor unit if you don't use the air conditioner for a long time.

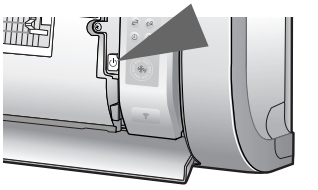
Operation	Outdoor Temperature	Indoor Temperature	Indoor Humidity
Heating	0°C to 24°C approx.	27°C or less	-
Cooling	21°C to 54°C approx.	18°C to 32°C approx.	80% or less
Dehumidifying	18°C to 54°C approx.	18°C to 32°C approx.	-

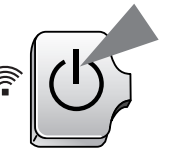
✳ ***If the outdoor temperature is as low as 0°C, the heating capacity drops up to 70~80% depending on the operating condition.***

If you use the air conditioner over 32°C (indoor temperature), the cooling capacity may drop.

Operating Your Air Conditioner Without the Remote Control

You can operate your air conditioner directly without the remote control.





1 Open the front grille.

2 To turn the air conditioner on, press the On/Off button in the front grille of the indoor unit.

Result:
- The Operation indicator on the indoor unit lights up.
- The indoor unit beeps.
- The air conditioner starts up in the appropriate mode for the room temperature. The air conditioner changes the Cool or Heat mode automatically depending on the current temperature during operation.

Room Temperature	Operating Mode
Lower than 21°C	Heating
Higher than 21°C	Cooling

3 To turn the air conditioner off, press the On/Off button again.

Note Even if you turned the air conditioner on with the On/Off button, you can control it with the remote control.

Troubleshooting Guide

Before contacting the service center, check the following. It will save your time and the expense of an unnecessary call.

Problem	Explanation/Solution
The air conditioner does not operate.	◆ Check if the circuit breaker of the air conditioner is switched on. ◆ Check if the air conditioner is turned on. If necessary, press the (On/Off) button on the remote control. ◆ Check if the Timer indicator on the indoor unit is on. If so: - Wait until the set time is reached and the air conditioner starts automatically. - Cancel the Timer. (See pages 20 and 21 for further details)
The air conditioner does not operate with the remote control.	◆ Check if there are no obstacles in front of the indoor unit. ◆ Check the remote control batteries. ◆ Make sure that you are within 7 meters from the indoor unit.
No beep is heard when you press the (On/Off) button on the remote control.	◆ Check if you are pointing the remote control at the remote control sensor on the right side of the indoor unit. ◆ Replace the remote control batteries if necessary.
The air conditioner does not cool or heat.	◆ Check if the correct operating mode has been selected (Auto, Cool, Heat). ◆ The room temperature may be too low or too high. ◆ Check if the air filter is dirty; refer to page 27 for cleaning instructions. ◆ Check that there is no obstacle in front of the outdoor unit.
When heating, the required room temperature is never reached and the air conditioner frequently stops.	◆ Check if the required temperature is set correctly. ◆ Increase the fan speed. ◆ If the airflow is directed upwards, set the blade downwards with the remote control.
The fan speed does not change when you press the button.	◆ Check if the mode is set to the Cool, Heat or Fan mode; in the Auto and Dry mode, the fan speed changes automatically.
The airflow direction does not change when you press the button.	◆ Check if the air conditioner has been turned on; if necessary, press the (On/Off) button on the remote control.
The timer is not correctly triggered.	◆ Check if the timer is set correctly; see pages 20 and 21.
Odor permeates into the room during operation.	◆ You can use the Fan mode to ventilate your room.

Cleaning Your Air Conditioner

For the best use of your air conditioner, you must clean it every 2 weeks to remove the dust that accumulates on the air filter.

IMPORTANT ***Before cleaning your air conditioner, check if you have turned off the circuit breaker.***

1 Open the front grille by pulling on the tabs on the lower right and left sides of the indoor unit.

2 Detach the front grille by pulling it forwards.

3 Hold the edge of the air filter under the front grille and pull to release.

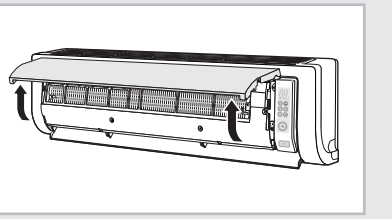
4 Remove all dust on the air filter with a vacuum cleaner or brush.

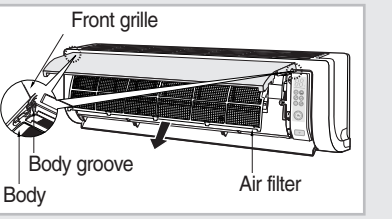
5 When you finish, insert the top of the filter into the slot and fix it to 5 tabs of the grille.

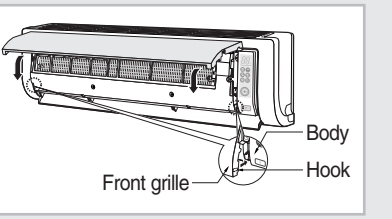
6 Clean the front grille with a damp cloth and mild detergent (do NOT use benzene, solvents or other chemicals).

7 Reassemble the air filter and the front grille.

Note ***If you have not used the air conditioner for a long time, select the Fan mode for 3 to 4 hours to dry the inside of the air conditioner.***

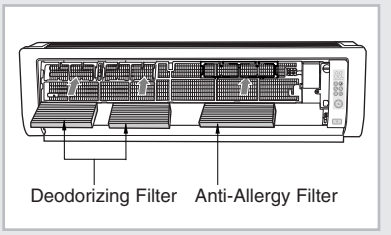






❄ The design and shape are subject to change according to the model.

Cleaning Anti-Allergy and Deodorizing Filter (Option)



❄ The design and shape are subject to change according to the model.

There are Anti-Allergy and Deodorizing filters inside your air conditioner. They remove odours and dust in your room. You should clean the filters every 3 months.

1	Open the upper front grille by pulling the lower right and left tabs of the grille.
2	Pull out the Anti-Allergy and Deodorizing filter.
3	Wash the filters with clean water, then dry them in the shade.
4	Insert the filters in their place.
5	Close the front grille.

Memo

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